

5. The method of claim 4, wherein the step of digitally applying the modified press

6. The method of claim 1, wherein the method further comprises, prior to the step of

creating a multi-page spread image file coded in a page description language;

receiving by the raster image processor the multi-page spread image file;

interpreting by the raster image processor the multi-page spread image file to produce the

transmitting by the raster image processor the multi-page spread raster data.

7. The method of claim 1, further comprising the step of rendering the press sheet

8. The method of claim 7, wherein the destination device is selected from a group

a platesetter for imaging onto a plate;

an imagesetter for imaging onto photosensitive paper and film;

a printer for imaging onto plain paper;

a storage medium for storing a file, and

a direct on-press imaging system for imaging onto a press.

9. A print drive, comprising:

an input subsystem for receiving multi-page spread raster data of at least one of the multi-

page spreads of a print job, the multi-page spread raster data processed by a raster image

processor, and for receiving a press sheet template, the press sheet template comprising prepress

imposition data;

a digital press sheet modifier in communication with the input subsystem and the data store; the digital press sheet modifier digitally modifying the press sheet template to accommodate the multi-page raster data; and

a digital press sheet assembler in communication with the digital press sheet modifier; the digital press sheet assembler digitally applying the modified press sheet template to the multi-page raster data on demand to form a press sheet assembly.

10. The print drive of claim 9, wherein the digital press sheet assembler, in addition to digitally applying the modified press sheet template to the multi-page raster data, further applies the modified press sheet template to raster data of other pages of the print job to form a press sheet assembly on demand.

11. The print drive of claim 9, wherein the input subsystem receives the press sheet template from a raster image processor.

12. The print drive of claim 9, further comprising:
a data store in communication with the input subsystem for storing the received press sheet template and the multi-page spread raster data.

13. The print drive of claim 9, further comprising:
an output subsystem in communication with the digital press sheet assembler, the output terminal capable of transmitting the press sheet assembly to a destination device.

14. The print drive system of claim 13, wherein the destination device is selected from a group consisting of:

- a platesetter for imaging onto a plate;
- an imagesetter for imaging onto photosensitive paper and film;
- a printer for imaging onto plain paper;
- a storage medium for storing a file, and
- a direct on-press imaging system for imaging onto a press.

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an imagesetter for imaging onto photosensitive paper and film;
a printer for imaging onto plain paper;
a storage medium for storing a file, and
a direct on-press imaging system for imaging onto a press.

18. The imaging system of claim 17, wherein the print drive further comprises an output subsystem in communication with the digital press sheet assembler, the output subsystem capable of transmitting the press sheet assembly to the destination device.

FIG. 10